

## FireKab SIHF FE180



### Areas of Use

FireKab fire resistant cables are used for fire alarm systems, power supply or control of equipment that needs to function during a fire such as warning, emergency lighting, evacuation and monitor systems. The place of usage is intelligent or semi-intelligent buildings where dense human population or valuable goods are found. These can be hospitals, cinemas, theatres, schools, shopping centers, airports, factories, etc. FireKab products have low smoke density, are halogen-free and they don't emit poisonous gases.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 60228, Class 5)
<b>Insulation</b>	Fire Resistant Silicon Rubber (EN 50363-1, BS 7655 E12)
<b>Core Colors</b>	BS 7671, HD 308-S2, VDE 0293-308 (for more than 5 cores white core-black numbered)
<b>Outer Sheath</b>	Special Fire Resistant Silicon Rubber, Oxbrown - Red

### Technical Properties

<b>Operating Voltage</b>	<1.5 mm <sup>2</sup> 300 V - 500 V; >1.5 mm <sup>2</sup> 450 V - 750 V
<b>Test Voltage</b>	2500 V
<b>Conductor Resistance</b>	0.75 mm <sup>2</sup> - ≤26 Ω/km; 1.00 mm <sup>2</sup> - ≤19.3 Ω/km; 1.50 mm <sup>2</sup> - ≤13.3 Ω/km; 2.50 mm <sup>2</sup> - ≤8 Ω/km
<b>Insulation Resistance</b>	>200 M.Ωxkm
<b>Temperature Range</b>	Sabit: -50 °C.....+180 °C, Hareketli: -20 °C.....+150 °C
<b>Smoke Density</b>	IEC/EN 61034-2
<b>Amount of Halogen Acid Gas</b>	IEC/EN 60754-1
<b>Corrosive Gases Measurement</b>	IEC/EN 60754-2
<b>Min. Bending Radius (Fixed)</b>	7.5 x Cable Diameter
<b>Flame Retardancy</b>	IEC/EN 60332-1, IEC/EN 60332-3-24
<b>Fire Resistance</b>	IEC 60331-21

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